

Amendment to the Claims

1. (currently amended) A method for providing supplementary services in a packet voice network, the method comprising:

receiving a list of information elements from a sending station in a private branch exchange network;

inserting the list into a call control message such that any supplementary services information included in the information elements is preserved, wherein supplementary services are services that rely upon the presence of another service to operate;

~~including mapping~~ a locally significant message into a globally significant message in a private branch exchange network wherein any supplementary services information in the locally significant messages is preserved, wherein a locally significant message is a message that is otherwise not transmitted to other stations on the a network; and

sending the call control message and the globally significant message to a receiving station in the private branch exchange network.

2. (original) The method of claim 1 wherein the list of information elements are received as a Q.931 message.

3. (original) The method of claim 1 wherein the inserting the list further comprises appending the information elements to a call control message for a voice over packet network.

4. (original) The method of claim 1 wherein the inserting the list further comprises mapping the information elements into the user information element of an H.225 message.

5. (original) The method of claim 1 wherein the packet voice network further comprises one of the group comprising: Voice over FR, Voice over IP and Voice over ATM.

6. (original) The method of claim 1 wherein the locally significant message further comprises a RELEASE message.

7. (original) The method of claim 1 wherein the locally significant message further comprises a RELEASE COMPLETE message.
8. (original) The method of claim 1 wherein the globally significant message further comprises a DISCONNECT message.
9. (original) The method of claim 1 wherein the globally significant message further comprises a FACILITY message.
10. (currently amended) A network device for providing supplementary services in a packet voice network, comprising:
 - a first communication device operable to communicate with a sending node;
 - a second communication device operable to communicate with a receiving node; and
 - a tandem node operable to transfer supplementary services information from the first communication device to the second communication device such that the supplementary services information is transferred to the receiving node after the sending node sends a disconnect message thereby providing private branch exchange services, wherein the supplementary services information is acquired from a locally significant message not otherwise transmitted past the first communication device and ~~included in~~ mapped into a globally significant message.
11. (original) The device of claim 10, wherein the first and second communication devices further comprise routers.
12. (original) The device of claim 10, wherein the first and second communication devices are part of one router.
13. (currently amended) A computer readable medium containing software code, said code including:

code operable to receiving supplementary services information from a sending station in a private branch exchange network, wherein supplementary services are services that rely upon the presence of another service to operate;

code operable to insert the supplementary services information into a call control message;

code operable to ~~include~~ map a locally significant message into a globally significant message, wherein a locally significant message is a message that is otherwise not transmitted to other stations on the network; and

code operable to send the call control message and the globally significant message to a receiving station in a private branch exchange network.

14. (original) The computer readable medium of claim 13, wherein the medium is a downloadable file distributed across a network.

15. (original) The computer readable medium of claim 13, wherein the medium is a computer file transferred from a directly connected computing device.

16. (currently amended) A network device operable to provide supplementary services information, comprising:

a first means for communicating with a sending node;

a second means for communication with a receiving node; and

means for ~~transferring~~ mapping a locally significant message to a globally significant message from the first means to the second means such that private branch exchange services are transferred, wherein the locally significant message is a message not otherwise transmitted past the first means.

17. (currently amended) A network device operable to provide supplementary services information, comprising:

a first communication device operable to communicate with a sending node;

a second communication device operable to communication with a receiving node;
and

wherein the first communication device is operable to ~~transfer~~ map supplementary to services information from a locally significant message otherwise not transmitted base the first communication device directly to the second communication device ~~as part of~~ into a globally significant message such that the supplementary services information is transferred to the receiving node after the sending node sends a disconnect message thereby providing private branch exchange services.